

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/686,199A
Source: IFW16
Date Processed by STIC: 7/10/06

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 07/10/2006

PATENT APPLICATION: US/10/686,199A

TIME: 08:18:28

Input Set : F:\Revised Sequence Listing 1392-11.ST25.txt

Output Set: N:\CRF4\07102006\J686199A.raw

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3 <110> APPLICANT: Budworth, Paul
4   Wang, Xun
6 <120> TITLE OF INVENTION: IDENTIFICATION OF PROTEIN INTERACTIONS USING IN VIVO
7   POST-TRANSLATIONALLY MODIFIED FUSION PROTEINS
9 <130> FILE REFERENCE: 1392/11
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/686,199A
C--> 11 <141> CURRENT FILING DATE: 2003-10-15
11 <150> PRIOR APPLICATION NUMBER: US 60/418,952
12 <151> PRIOR FILING DATE: 2002-10-15
14 <160> NUMBER OF SEQ ID NOS: 8
16 <170> SOFTWARE: PatentIn version 3.3
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 40
20 <212> TYPE: DNA
21 <213> ORGANISM: Artificial Sequence
23 <220> FEATURE:
24 <223> OTHER INFORMATION: PCR primer used in conjunction with SEQ ID NO: 2 to amplify a
25   region of the tomato Methylcrotonyl-CoA carboxylase cDNA
27 <400> SEQUENCE: 1
28 cgggatacctt tcccgggggt actgtgattg cacccatggc          40
31 <210> SEQ ID NO: 2
32 <211> LENGTH: 41
33 <212> TYPE: DNA
34 <213> ORGANISM: Artificial Sequence
36 <220> FEATURE:
37 <223> OTHER INFORMATION: PCR primer used in conjunction with SEQ ID NO: 1 to amplify a
38   region of the tomato Methylcrotonyl-CoA carboxylase cDNA
40 <400> SEQUENCE: 2
41 ctatccgagc tctcagtcct tgagagcaaa gagttttata c          41
44 <210> SEQ ID NO: 3
45 <211> LENGTH: 46
46 <212> TYPE: DNA
47 <213> ORGANISM: Artificial Sequence
49 <220> FEATURE:
50 <223> OTHER INFORMATION: Complementary oligo A of the TEV protease cleavage site
52 <400> SEQUENCE: 3
53 cgggatccaa aggcctaccg gtaagattcc aactactgcc agcgag          46
56 <210> SEQ ID NO: 4
57 <211> LENGTH: 43
58 <212> TYPE: DNA
59 <213> ORGANISM: Artificial Sequence
61 <220> FEATURE:
62 <223> OTHER INFORMATION: Complementary oligo B to the TEV protease site

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64 <400> SEQUENCE: 4
65 aatttgtatt ttcagggtga gcttaaaacc gctcccgggg gta 43
68 <210> SEQ ID NO: 5
69 <211> LENGTH: 30
70 <212> TYPE: DNA
71 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
74 <223> OTHER INFORMATION: Oligo used in conjunction with SEQ ID NO: 6 to clone the
maize
75 TATA-box binding protein
77 <400> SEQUENCE: 5
78 cgggatccat ggcggagccg gggctcgagg 30
81 <210> SEQ ID NO: 6
82 <211> LENGTH: 37
83 <212> TYPE: DNA
84 <213> ORGANISM: Artificial Sequence
86 <220> FEATURE:
87 <223> OTHER INFORMATION: Oligo used in conjunction with SEQ ID NO: 5 to clone the
maize
88 TATA-box binding protein
90 <400> SEQUENCE: 6
91 gcgcaccggt ttgctgaact tttcgaaact ctgccag 37
94 <210> SEQ ID NO: 7
95 <211> LENGTH: 300
96 <212> TYPE: DNA
97 <213> ORGANISM: Artificial Sequence
99 <220> FEATURE:
100 <223> OTHER INFORMATION: Polynucleotide construct encoding a TBP-Biotin fusion
peptide
101 (pND05-TBP-Biotin)
103 <400> SEQUENCE: 7
104 ggatccaaag gcctaccggt aagattccaa ctactgccag cgagaatttg tattttcagg 60
106 gtgagcttaa aaccgctccc ggggggtactg tgattgcacc catggctggg ctagtgggta 120
108 aagtattggt gaaggatggg gagaaagttc aggagggaca acctgtgtta gtattagaag 180
110 caatgaagat ggagcatgta gtgaaagcac cagctaattg ctatgtaagc gggcttgaaa 240
112 tcaaagtggg ccaatcggtc caagatggta taaaactctt tgctctcaag gactgagagc 300
115 <210> SEQ ID NO: 8
116 <211> LENGTH: 97
117 <212> TYPE: PRT
118 <213> ORGANISM: Artificial Sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: TBP-Biotin fusion peptide encoded by pND05-TBP-Biotin
123 <400> SEQUENCE: 8
125 Ile Gln Arg Pro Thr Gly Lys Ile Pro Thr Thr Ala Ser Glu Asn Leu
126 1 5 10 15
129 Tyr Phe Gln Gly Glu Leu Lys Thr Ala Pro Gly Gly Thr Val Ile Ala
130 20 25 30
133 Pro Met Ala Gly Leu Val Val Lys Val Leu Val Lys Asp Gly Glu Lys
134 35 40 45
137 Val Gln Glu Gly Gln Pro Val Leu Val Leu Glu Ala Met Lys Met Glu
138 50 55 60
141 His Val Val Lys Ala Pro Ala Asn Gly Tyr Val Ser Gly Leu Glu Ile

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142	65					70						75					80
145	Lys	Val	Gly	Gln	Ser	Val	Gln	Asp	Gly	Ile	Lys	Leu	Phe	Ala	Leu	Lys	
146					85					90						95	
149	Asp																

VERIFICATION SUMMARY

DATE: 07/10/2006

PATENT APPLICATION: US/10/686,199A

TIME: 08:18:29

Input Set : F:\Revised Sequence Listing 1392-11.ST25.txt

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L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date